



PROGENY PERFORMANCE REPORT

COHORT 7



Acknowledgments:

Angus Australia thanks the following organisations for their support of the Angus Sire Benchmarking Program (ASBP):

Co-Funding Partner

Meat and Livestock Australia

Industry Partners

Rangers Valley Feedlot
John Dee Abattoir
University of New England (UNE)
Vetoquinol

Co-operator Cow Herds

Brad and Marg Gilmour, Boorcan, VIC.
Rob and Sally Bulle, Ardrossan, Holbrook, NSW.
Hugh Munro, Glenroy, Gravesend, NSW.
Roger and Geralyn Flower, Myola, Black Mountain, NSW.
Trevor Nash, Stradbroke Pastoral, Yarralee, Coolah, NSW.
Rob Dugdale and Jeff Richie, Springmount, Black Mountain, NSW.
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Shaun Uebergang, Pearsby Hall, Delungra, NSW.
Stephen and Amity Chase, Waitara, Trangie, NSW.
NSW DPI, Trangie Agricultural Research Centre, Trangie, NSW.
NSW DPI, Glen Innes Research Station, Glen Innes, NSW.
University of Sydney, Nowley, Spring Ridge, NSW.
David and Pia Butcher, Woorak, Bundarra, NSW.
James Stephens, Charles Sturt University, Wagga Wagga, NSW.

Bull Owners and Nominators

Angus Australia thanks the numerous bull owner and nominators that have entered the ASBP. For sire ownership details please refer to the Angus Australia website (www.angusaustralia.com.au).

Data Analysis Support

Matias Suarez, NSW DPI, Armidale, NSW.
Animal Genetics and Breeding Unit (AGBU), University of New England, Armidale, NSW.
Agricultural Business Research Institute (ABRI-BREEDPLAN), Armidale, NSW.



Angus Sire Benchmarking Program

The Angus Sire Benchmarking Program (ASBP) is a major initiative of Angus Australia with support from Meat & Livestock Australia (MLA) and industry partners such as Vetoquinol, Rangers Valley Feedlot and John Dee Abattoir.

The major objectives of the ASBP include:

1. Generate progeny test data on modern Angus bulls, particularly for hard to measure traits such as feed efficiency, abattoir carcass measurement, meat quality attributes & female reproduction.
2. Generate data for the validation & refinement of Angus BREEDPLAN.
3. Build a comprehensive phenotype and genotype database on Australian Angus for genomic technology validation, research and development.

To meet the project objectives Angus Australia aims to join an average of 40 sires a year to approximately 2,000 Angus cows to achieve a minimum of 25 progeny (50:50 steers and heifers) per sire using a fixed time AI program. The Angus cows are located across several commercial co-operator herds located in New South Wales and Victoria.

The Angus sires that enter the ASBP are nominated by Angus Australia members. Before entering the program the sires are assessed for a range of factors such as genetic diversity, genetic condition status, BREEDPLAN EBVs and selection index values. Once the progeny are born they are comprehensively performance recorded for calving ease, growth, temperament, heifer reproduction, structure, feed efficiency, abattoir carcass and beef quality attributes.

ASBP Progeny Performance Report

The ASBP Progeny Performance report includes two sections to assist with assessment of the genetic merit of the ASBP sires, being:

1. **BREEDPLAN Sire Listing** – The first section includes the Angus BREEDPLAN EBVs and selection Indexes from the noted monthly analysis (e.g. April 2016).

For selection purposes it is strongly advised that the BREEDPLAN EBVs and selection indexes be used primarily. They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the Angus population.

2. **ASBP Progeny Performance Listing** – The second section includes progeny average values and rankings for a range of traits recorded within the ASBP. This listing provides an indication on how the sires are performing within the ASBP. *The values listed can only be validly used to compare sires within each cohort of the ASBP.*

Each section includes introductory notes to assist with the interpretation of the information listed.

Contact – For further questions on the ASBP contact Christian Duff, Strategic Projects Manager, Angus Australia on phone: (02) 6773 4620, mobile: 0457 457 141 or email: christian@angusaustralia.com.au

Further information on the ASBP is listed on the Angus Australia website www.angusaustralia.com.au

UNDERSTANDING THE ASBP SIRE LISTING – BREEDPLAN EBVs and SELECTION INDEXES

Name ID	August 2015 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 2																							
	Estimated Breeding Values and Accuracies (%)																							
	Birth				Growth					Fertility			Carcase					Other			Selection Indexes			
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
ABBOTT PERFORMER E32 ESTE32	-1.3	-0.1	-5.4	+6.4	+61	+106	+153	+140	+19	+3.3	-3.6	+96	+1.6	+0.6	+0.4	+0.7	+0.3	+0.20	+0.74	-17	+123	+108	+119	+126
ABERDEEN ESTATE EXCITE E21 AHWE21	+2.5	+3.9	-3.9	+4.1	+49	+84	+119	+116	+14	+2.7	-4.5	+67	+3.6	+0.4	-0.3	-0.6	+3.1	+0.28	+0.39	-1	+128	+110	+146	+120
ANVIL ENFORCER E183 HBUE183	+3.4	+0.9	-6.8	+3.2	+52	+95	+122	+88	+28	+2.8	-3.4	+82	+6.0	+1.2	-0.9	+1.3	+0.2	+0.43	+0.94	+7	+111	+114	+98	+117

The following BREEDPLAN Estimated Breeding Values (EBVs) and selection Indexes are listed in this report. For further information visit www.angusaustralia.com.au

BREEDPLAN EBVs:

CE Dir: Calving Ease Direct (%) EBVs are genetic differences in the ability of calves to be born unassisted from two year old heifers. Higher EBVs indicate greater calving ease.

CE Dtrs: Calving Ease Daughters (%) EBVs are genetic differences in the ability of an animal's daughters to calve unassisted as two year old heifers. Higher EBVs indicate greater calving ease.

GL: Gestation Length (days) EBVs are genetic differences in the length of time from the date of conception to the calf birth date. Lower EBVs indicate shorter gestation length.

Bwt: Birth Weight (kg) EBVs are genetic differences in calf weight at birth. Lower EBVs indicate lighter birth weight.

200: 200 Day Growth (kg) EBVs are genetic differences in live weight at 200 days of age due to genetics for growth. Higher EBVs indicate heavier live weight.

400: 400 Day Weight (kg) EBVs are genetic differences in live weight at 400 days of age. Higher EBVs indicate heavier live weight.

600: 600 Day Weight (kg) EBVs are genetic differences in live weight at 600 days of age. Higher EBVs indicate heavier live weight.

Mwt: Mature Cow Weight (kg) EBVs are genetic differences in mature weight at 5 years of age. Higher EBVs indicate heavier mature weight.

Milk: Milk (kg) EBVs are genetic differences in live weight at 200 days of age due to the maternal contribution of the dam. Higher EBVs indicate heavier live weight.

SS: Scrotal Size (cm) EBVs are genetic differences in scrotal circumference at 400 days of age. Higher EBVs indicate larger scrotal size.

DC: Days to Calving (days) EBVs are genetic differences in the length of time from the start of the joining period until subsequent calving. Lower EBVs indicate less time to calving.

Cwt: Carcase Weight (kg) EBVs are genetic differences in dressed carcase weight at 750 days of age. Higher EBVs indicate heavier carcase weight.

EMA: Eye Muscle Area (cm²) EBVs are genetic differences in eye muscle area at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate larger eye muscle

Rib: Rib Fat (mm) EBVs are genetic differences in fat depth at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate more fat.

P8: Rump Fat (mm) EBVs are genetic differences in fat depth at the P8 site in a 400 kg carcase. Higher EBVs indicate more fat.

RBY: Retail Beef Yield (%) EBVs are genetic differences in saleable meat from a 400 kg carcase. Higher EBVs indicate higher yield.

IMF: Intramuscular Fat (%) EBVs are genetic differences in intramuscular fat at the 12/13th rib site in a 400 kg carcase. Higher EBVs indicate more intramuscular fat.

NFI-p: NFI-p (kg/day) EBVs are genetic differences in feed intake at a standard weight and rate of weight gain when animals are in a post-weaning growing phase. Lower EBVs indicate less feed intake and greater feed efficiency

NFI-f: NFI-f (kg/day) EBVs are genetic differences in feed intake at a standard weight and rate of weight gain when animals are in a feedlot finishing phase. Lower EBVs indicate less feed intake and greater feed efficiency

Docil: Docility (%) EBVs are genetic differences in the proportion of an animal's progeny that will have acceptable temperament. Higher EBVs indicate better temperament.

Selection Indexes:

ABI: The Angus Breeding Index estimates the genetic differences between animals in net profitability per cow joined in a typical commercial self replacing herd using Angus bulls.

DOM: The Domestic Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting the domestic supermarket trade.

GRN: The Heavy Grain Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture grown steers with a 200 day feedlot finishing period for the grain fed high quality, highly marbled markets.

GRS: The Heavy Grass Index estimates the genetic differences between animals in net profitability per cow joined in a commercial self replacing herd targeting pasture finished steers



Mid-April 2019 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 7

Estimated Breeding Values and Accuracies (%)

Name ID	Birth				Growth					Fertility		Carcase						Other			Selection Indexes			
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
A A R TEN X 7008 S A USA15719841	+2.7	+3.7	-5.1	+2.6	+57	+102	+134	+91	+19	+2.3	-4.0	+79	+6.0	-2.4	-3.6	+1.9	+1.9	+0.12	+0.73	-9	+145	+134	+157	+140
AJC K41 NXOK41	-5.5	+2.6	-9.2	+5.4	+62	+107	+144	+123	+16	+1.9	-3.8	+86	+9.0	-2.2	-3.5	+2.4	+2.4	-0.12	-0.06	-4	+144	+127	+164	+135
ANVIL KOKODA K267 HBUK267	+1.1	+1.2	-7.4	+4.7	+54	+97	+126	+103	+23	+2.4	-6.4	+74	+4.7	-1.4	-1.7	+0.1	+3.2	+0.09	+0.13	+6	+140	+123	+163	+129
AYRVALE LEGACY L21 HIOL21	-2.5	-8.7	-6.1	+4.2	+58	+107	+146	+128	+21	+0.5	-4.1	+90	+9.7	-2.8	-1.9	+1.5	+2.5	+0.19	-0.14	+12	+142	+121	+161	+134
BANNABY REALITY K63 ECMK63	+3.2	+2.4	-3.7	+3.8	+44	+78	+105	+104	+11	+2.0	-3.5	+58	+3.8	-0.4	-0.7	-0.3	+2.1	-0.03	-0.19	+17	+106	+102	+112	+104
BANNABY RESERVE K173 ECMK173	+0.7	-0.4	-5.3	+5.7	+52	+81	+113	+109	+10	+0.7	-5.4	+65	+6.3	-0.8	-1.9	+1.3	+2.2	+0.07	+0.01	+10	+124	+112	+137	+117
BONGONGO L8 NGXL8	+4.8	+4.5	-6.9	+1.4	+46	+84	+104	+86	+15	+2.5	-5.7	+58	+3.8	+1.4	-0.4	-0.5	+3.0	+0.14	+0.28	-8	+125	+118	+139	+118
BOONAROO KERNAL K72 HCAK72	+4.9	+3.0	-7.4	+1.7	+47	+102	+132	+107	+26	+1.7	-2.9	+86	+3.3	-3.2	-3.2	+1.5	+0.9	+0.00	-0.09	+15	+124	+121	+128	+124
BOOROOMOOKA KULGERA K270 NGMK270	+2.6	+4.0	-4.5	+4.0	+52	+91	+125	+78	+24	+2.9	-5.2	+68	+6.6	-4.0	-4.3	+2.7	+2.4	-0.03	+0.03	+4	+150	+134	+170	+140
BOWMONT KING K306 SRKK306	+0.4	-4.5	-5.7	+4.2	+48	+79	+101	+79	+11	-0.2	-4.1	+69	+14.9	+0.7	-2.7	+1.8	+2.5	+0.47	+0.54	+8	+123	+116	+133	+117
BROOKLANA M REALITY K57 AMQK57	+4.0	+3.0	-5.9	+3.6	+55	+104	+134	+136	+15	+2.8	-2.0	+71	+4.8	+0.5	-2.3	+0.7	+1.8	-0.02	+0.13	+0	+125	+120	+135	+123
CHELTENHAM PARK BERKLEY J7 HYEJ7	-2.3	-0.1	-8.5	+8.5	+75	+130	+181	+193	+17	+3.4	-7.0	+101	+7.1	-0.4	-1.6	+1.2	+2.0	+0.15	+0.14	-17	+170	+136	+197	+157
CLUNIE RANGE KALUHA K330 NBHK330	+0.0	-1.3	-6.2	+5.3	+55	+99	+132	+115	+17	+1.5	-7.2	+79	+7.4	+1.8	+1.0	-0.5	+3.2	+0.54	+0.28	-9	+149	+124	+171	+137
CLUNIE RANGE LEGEND L348 NBHL348	-1.3	+3.4	-8.3	+6.3	+59	+102	+136	+143	+4	+2.8	-7.3	+73	+2.8	+2.5	+0.6	-1.6	+3.0	+0.18	+0.06	-6	+138	+116	+159	+127
COONAMBLE KEVIN K314 WDCK314	+0.6	+1.3	-3.6	+4.1	+50	+92	+122	+106	+19	+4.1	-7.2	+69	+4.7	+1.1	+2.0	-0.3	+1.6	+0.38	+0.34	+11	+129	+115	+133	+126
DULVERTON LARRY L154 NGCL154	-2.1	-0.1	-8.3	+6.1	+51	+92	+131	+108	+17	+1.7	-1.6	+75	+2.1	-0.4	-0.5	+0.0	+1.8	+0.07	-0.07	-21	+110	+100	+114	+110
ESSLEMONT LOTTO L3 WWEL3	-2.2	-0.9	-5.8	+4.3	+60	+106	+135	+108	+22	+3.6	-8.2	+92	+9.6	+1.2	+0.1	-0.2	+4.1	+0.71	+0.79	+3	+161	+133	+190	+144
G A R PROPHET USA16295688	+1.1	+2.4	-1.1	+3.4	+65	+109	+132	+85	+26	+0.8	-6.3	+72	+6.0	+0.7	+1.3	-1.4	+3.9	+0.41	+0.38	+8	+151	+135	+168	+141
G A R SURE FIRE USA17328461	+3.5	+4.6	-4.0	+2.2	+50	+91	+110	+87	+17	+4.1	-9.4	+69	+8.4	+0.2	-0.2	+1.6	+2.7	+0.28	+0.52	+8	+159	+142	+179	+145
GATES KIPLING K7 ASRK7	+2.4	+1.1	-6.9	+5.6	+53	+95	+133	+111	+18	+5.3	-5.3	+63	+5.0	-0.4	+0.4	+0.4	+3.0	+0.49	+0.94	-15	+150	+125	+171	+139
GLENAVON REVENUE L039 NFWL039	-2.5	+2.2	-7.4	+5.6	+52	+98	+125	+103	+26	+1.0	-3.4	+79	+8.0	-1.5	-2.9	+1.6	+1.7	-0.21	-0.36	-8	+120	+116	+127	+117
Average EBVs for 2017 born calves	+0.2	+0.4	-4.0	+4.3	+44	+81	+106	+91	+15	+1.8	-4.2	+59	+5.1	+0.0	-0.2	+0.4	+1.7	+0.12	+0.18	+4	+114	+109	+119	+112



Mid-April 2019 Angus Australia BREEDPLAN - Angus Sire Benchmarking Program - Cohort 7

Estimated Breeding Values and Accuracies (%)

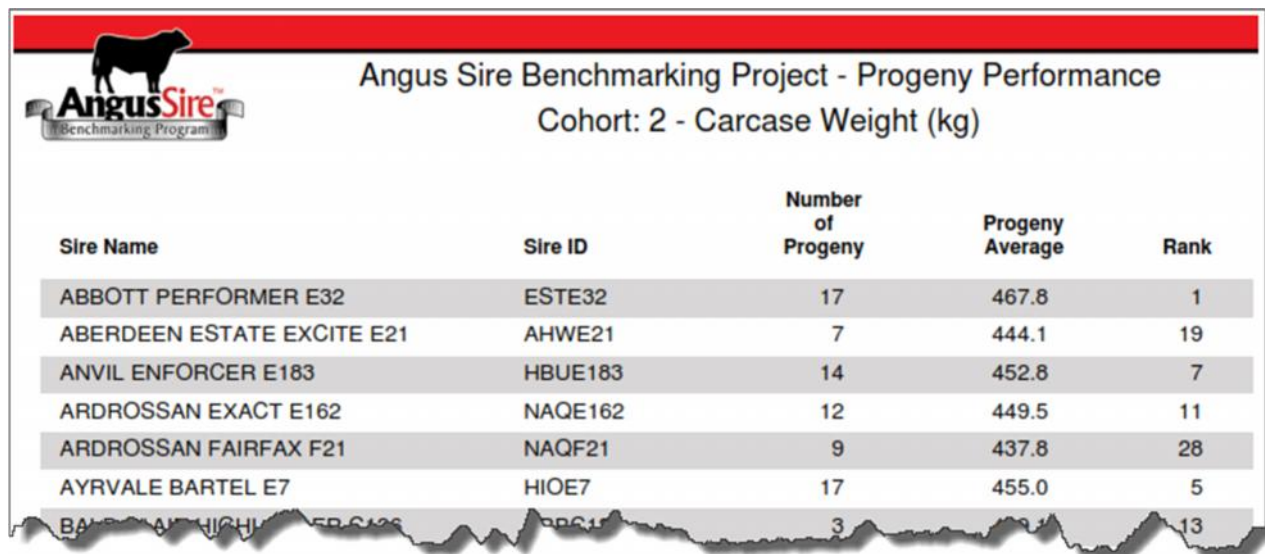
Name ID	Birth				Growth					Fertility		Carcase						Other			Selection Indexes			
	CE Dir	CE Dtrs	GL	Bwt	200	400	600	Mwt	Milk	SS	DC	Cwt	EMA	Rib	P8	RBY	IMF	NFI-p	NFI-f	Docil	ABI	DOM	GRN	GRS
GLENOCH HINMAN H221 QBGH221	+1.4 77%	-1.6 66%	-3.1 97%	+3.5 96%	+56 94%	+94 95%	+131 94%	+111 85%	+22 83%	+0.7 94%	-4.6 60%	+85 82%	+4.4 83%	-1.0 84%	-2.8 83%	-0.3 78%	+4.0 81%	+0.26 66%	+0.27 69%	+1 81%	+137	+116	+165	+125
HARDHAT GM GRASS KING Y21 K15 DKKK15	-4.0 70%	-3.4 52%	-4.8 92%	+5.8 89%	+46 85%	+83 86%	+98 86%	+66 78%	+13 67%	+0.6 78%	-1.0 51%	+59 75%	+10.0 75%	+0.3 79%	-0.1 76%	+2.0 73%	+1.2 75%	-0.19 58%	-0.32 62%	-7 81%	+96	+107	+88	+101
HAZELDEAN JAIPUR J140 NHZJ140	+4.9 80%	+4.3 67%	-4.7 98%	+1.9 98%	+38 97%	+77 96%	+111 96%	+95 87%	+29 82%	+2.9 95%	-5.5 63%	+73 82%	+4.8 82%	-0.5 83%	-1.4 82%	+1.2 77%	+1.6 81%	+0.27 66%	+0.75 69%	+35 97%	+123	+110	+131	+118
KANSAS JUDD L76 NKLL76	-0.7 64%	+1.1 40%	-3.4 91%	+6.4 87%	+58 83%	+106 84%	+141 84%	+121 74%	+22 58%	+2.6 62%	-2.4 39%	+88 69%	+6.0 69%	-1.6 74%	-2.1 71%	+1.5 65%	+2.1 69%	+0.06 47%	-0.06 48%	+20 77%	+135	+124	+149	+130
KILLAIN ALASKA K18 KILK18	-5.8 66%	-1.8 47%	-0.2 86%	+7.5 84%	+64 80%	+121 80%	+162 81%	+156 75%	+17 67%	+3.2 70%	-1.8 43%	+92 71%	+5.0 70%	-3.0 75%	-3.3 71%	+2.2 68%	+0.2 70%	-0.18 51%	-0.25 54%	+9 66%	+120	+113	+122	+122
MILLAH MURRAH LOCH UP L133 NMML133	-2.5 76%	+0.8 54%	-5.5 98%	+5.3 98%	+61 97%	+103 97%	+137 95%	+114 83%	+19 69%	+2.5 95%	-5.8 50%	+81 78%	+1.4 83%	-1.1 84%	-1.3 82%	+0.1 76%	+1.9 82%	+0.11 61%	-0.41 64%	+15 96%	+125	+113	+133	+121
MURRAY DOWNLOAD L20 NURL20	+0.3 69%	+1.7 46%	-1.6 95%	+4.7 93%	+43 88%	+72 87%	+91 88%	+75 79%	+17 66%	+1.5 74%	-7.7 46%	+54 74%	+5.6 73%	+0.0 78%	+0.0 75%	+0.7 70%	+2.6 74%	+0.18 52%	+0.28 54%	+8 85%	+120	+112	+132	+112
PATHFINDER COMPLETE K22 SMPK22	+5.8 76%	+4.8 53%	-9.5 98%	+0.3 98%	+38 96%	+76 95%	+90 95%	+70 83%	+25 69%	+2.2 90%	-6.5 53%	+66 78%	+7.4 79%	+4.3 81%	+2.6 79%	-0.6 74%	+1.7 78%	+0.58 59%	+0.91 63%	+4 89%	+111	+110	+106	+112
RENNYLEA K835 NORK835	-1.2 78%	+1.4 54%	-2.5 97%	+5.9 95%	+48 93%	+87 91%	+114 91%	+90 81%	+17 67%	+2.8 83%	-7.7 50%	+63 76%	+9.1 77%	+0.9 80%	-0.4 78%	+0.8 72%	+3.8 77%	+0.25 57%	+0.28 60%	-3 90%	+152	+128	+181	+135
RENNYLEA KODAK K522 NORK522	+5.1 76%	+3.6 61%	-6.6 98%	+1.2 97%	+45 95%	+86 95%	+102 93%	+105 82%	+13 71%	+4.2 91%	-11.9 59%	+66 79%	+3.0 81%	+3.3 82%	+1.3 80%	-1.0 76%	+4.0 80%	+0.44 65%	+0.87 67%	-11 92%	+150	+129	+181	+131
STORTH OAKS JACK J7 NZE19507013J7	+3.3 79%	+2.2 67%	-4.6 97%	+4.9 96%	+57 92%	+107 92%	+150 93%	+133 83%	+19 72%	+3.5 90%	-3.5 59%	+76 79%	+6.6 80%	-0.1 82%	-1.7 80%	-0.2 76%	+3.7 79%	+0.47 64%	+0.61 67%	+13 92%	+158	+129	+188	+145
TRIO DOCKLANDS H1 ELYH1	+4.6 75%	+3.4 60%	-9.2 91%	+2.1 93%	+43 90%	+81 90%	+107 90%	+68 86%	+22 81%	+2.4 84%	-7.4 55%	+60 78%	-1.8 78%	+2.7 80%	+3.8 78%	-2.2 74%	+1.6 76%	+0.46 62%	+0.70 64%	+4 79%	+111	+103	+105	+113
WATTLETOP LOCK L4 NWPL4	+0.6 71%	+0.9 56%	-8.6 94%	+5.5 94%	+59 91%	+107 91%	+149 91%	+131 82%	+25 69%	+1.5 88%	-6.2 52%	+89 77%	+6.4 78%	+1.2 80%	-0.1 78%	-0.2 74%	+2.5 77%	+0.28 61%	+0.36 63%	-3 84%	+151	+124	+169	+142
Average EBVs for 2017 born calves	+0.2	+0.4	-4.0	+4.3	+44	+81	+106	+91	+15	+1.8	-4.2	+59	+5.1	+0.0	-0.2	+0.4	+1.7	+0.12	+0.18	+4	+114	+109	+119	+112

UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE

This listing provides an indication on how the sires are performing within the ASBP. *The values listed can only be validly used to compare sires within each cohort of the ASBP.*

For selection purposes it is strongly advised that the BREEDPLAN EBVs and selection indexes listed in section 1 of the report be used primarily. They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the Angus population.

Interpreting the ASBP Progeny Performance Listing



Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
ABBOTT PERFORMER E32	ESTE32	17	467.8	1
ABERDEEN ESTATE EXCITE E21	AHWE21	7	444.1	19
ANVIL ENFORCER E183	HBUE183	14	452.8	7
ARDROSSAN EXACT E162	NAQE162	12	449.5	11
ARDROSSAN FAIRFAX F21	NAQF21	9	437.8	28
AYRVALE BARTEL E7	HIOE7	17	455.0	5
BALBRANKY HIGH...	...	3	...	13

Number of progeny = Number of progeny the sire has recorded for the specified trait. This excludes any progeny in single animal contemporary groups.

Progeny Average = The average performance of this sires progeny for the specified trait in the ASBP. The average is calculated using adjusted data (i.e. the standard BREEDPLAN adjustments for the age of the progeny and age of the dams). It is calculated using a least squares means (LSM) model which takes into herd and contemporary group.

Rank = The ranking position of the sire within the specified cohort. The ranking order will depend on the trait. E.g. 200 Day weight ranked in descending order, while birth weight is ranked in ascending order.

The lists are sorted on sire name for the specified cohort.

The date the progeny performance values were produced is listed in the bottom left hand margin of the report. The reports will be regularly updated as further ASBP data is recorded and analysed.

Progeny Performance Traits and Interpretation

Separate sections for the following traits are included in the ASBP Progeny Performance listing:

Birth Weight: Weight of birth in kilograms recorded on both steer and heifer progeny. Sires are ranked in ascending order with lower values indicating lighter birth weight.

Gestation Length: Length of gestation in days recorded on both steer and heifer progeny. Sires are ranked in ascending order with lower values indicating shorter gestation length.



200 Day Weight: Weight at 200 days (i.e. weaning weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

400 Day Weight: Weight at 400 days (i.e. yearling weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

600 Day Weight: Weight at 600 days (i.e. 18 month weight) in kilograms recorded on both steer and heifer progeny. Sires are ranked in descending order with higher values indicating more weight.

Days to Calving: Length of days from bull introduction (i.e. bull in date) to calving. This is recorded on the heifer progeny for their first joining as yearlings. Sires are ranked in ascending order with lower values indicating shorter days to calving and improved female reproduction.

Scan Eye Muscle Area (EMA): Eye muscle area in cm² from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating larger eye muscle area.

Scan Rib Fat: Rib fat in mm from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more fat over the ribs.

Scan Rump Fat: Rump (i.e. P8) fat in mm from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more fat over the rump.

Scan Intramuscular Fat (IMF): Percentage of Intramuscular fat from ultrasound scanning both steer and heifer progeny at a standard 500 days of age. Sires are ranked in descending order with higher values indicating more intramuscular fat.

Carcase Weight: Weight of the hot standard carcass in kilograms at a standard 750 days of age recorded on steer progeny. Sires are ranked in descending order with higher values indicating more carcass weight.

Carcase Eye Muscle Area (EMA): Eye muscle area in cm² in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating larger eye muscle area.

Carcase Rump Fat: Subcutaneous fat measurement in mm at the P8 rump site in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating more rump fat.

Carcase Rib Fat: Subcutaneous fat measurement in mm at the 12th and 13th Rib site in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating more rib fat.

Carcase Intramuscular Fat (IMF): Percentage of Intramuscular fat (by near infrared spectrophotometry – NIR at the UNE meat science laboratory) in a standard 400 kg carcass measured on steer progeny. Sires are ranked in descending order with higher values indicating more intramuscular fat.

Net Feed Intake (NFI): Feed intake at a standard weight and rate of weight gain recorded on steer progeny at Tullimba Research Feedlot. NFI is expressed as kilograms of feed intake per day. Sires are ranked in ascending order with lower values indicating better feed efficiency through less feed intake for a standard weight and rate of gain.

Meat Standards Australia (MSA) Marbling Score: Marbling score recorded by the Meat Standards Australia (MSA) grader in the chiller on steer progeny. Sires are ranked in descending order with higher values indicating more marbling in the carcass.

Meat Standards Australia (MSA) Ossification: Ossification score recorded by the Meat Standards Australia (MSA) grader in the chiller on steer progeny. Sires are ranked in ascending order with lower values indicating younger physiological maturity.

Meat Standards Australia (MSA) Index: The MSA Index is an indication of the overall eating quality of beef from the carcass as influenced by a range of factors such as marbling score and ossification. It is generated for steer progeny from the ASBP based on MSA grading data in the chiller. Sires are ranked in ascending order with higher values indicating higher eating quality.

Shear Force: Shear Force is a measurement in the kilograms of the force required to pull a mechanical blade through a piece of cooked beef from the striploin sample of the ASBP steer progeny. It is measured through the UNE meat science laboratory. Sires are ranked in ascending order with lower values indicating less shear force and more tender beef.

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - Birth Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	31	36.9	19
AJC K41	NXOK41	23	37.3	25
ANVIL KOKODA K267	HBUK267	35	37.2	23
AYRVALE LEGACY L21	HIOL21	21	36.7	16
BANNABY REALITY K63	ECMK63	28	37.3	25
BANNABY RESERVE K173	ECMK173	42	37.4	27
BONGONGO L8	NGXL8	21	34.3	2
BOONAROO KERNAL K72	HCAK72	22	35.7	8
BOOROOMOOKA KULGERA K270	NGMK270	22	36.8	18
BOWMONT KING K306	SRKK306	30	36.4	13
BROOKLANA M REALITY K57	AMQK57	28	35.6	7
CHELTENHAM PARK BERKLEY J7	HYEJ7	29	39.1	33
CLUNIE RANGE KALUHA K330	NBHK330	37	37.0	20
CLUNIE RANGE LEGEND L348	NBHL348	18	37.4	27
COONAMBLE KEVIN K314	WDCK314	23	36.5	14
DULVERTON LARRY L154	NGCL154	23	37.1	22
ESSLEMONT LOTTO L3	WWEL3	40	36.0	10
G A R PROPHET	USA16295688	27	36.3	12
G A R SURE FIRE	USA17328461	31	35.4	6
GATES KIPLING K7	ASRK7	22	37.0	20
GLENAVON REVENUE L039	NFWL039	20	35.7	8
GLENOCH HINMAN H221	QBGH221	29	35.0	4
HARDHAT GM GRASS KING Y21 K15	DKKK15	28	38.0	32
HAZELDEAN JAIPUR J140	NHZJ140	34	35.3	5
KANSAS JUDD L76	NKLL76	26	37.2	23
KILLAIN ALASKA K18	KILK18	12	37.9	31
MILLAH MURRAH LOCH UP L133	NMML133	35	37.5	29
MURRAY DOWNLOAD L20	NURL20	33	36.6	15
PATHFINDER COMPLETE K22	SMPK22	31	33.4	1
RENNYLEA K835	NORK835	23	39.5	34
RENNYLEA KODAK K522	NORK522	29	34.9	3
STORTH OAKS JACK J7	NZE19507013J7	24	37.6	30
TRIO DOCKLANDS H1	ELYH1	21	36.1	11
WATTLETOP LOCK L4	NWPL4	19	36.7	16

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - Gestation Length (days)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	30	279.8	22
AJC K41	NXOK41	22	277.4	4
ANVIL KOKODA K267	HBUK267	34	278.6	10
AYRVALE LEGACY L21	HIOL21	21	279.2	16
BANNABY REALITY K63	ECMK63	27	280.3	27
BANNABY RESERVE K173	ECMK173	43	279.6	20
BONGONGO L8	NGXL8	20	277.8	6
BOONAROO KERNAL K72	HCAK72	21	278.7	13
BOOROOMOOKA KULGERA K270	NGMK270	22	279.9	23
BOWMONT KING K306	SRKK306	28	279.7	21
BROOKLANA M REALITY K57	AMQK57	28	278.6	10
CHELTENHAM PARK BERKLEY J7	HYEJ7	25	277.4	4
CLUNIE RANGE KALUHA K330	NBHK330	31	279.0	14
CLUNIE RANGE LEGEND L348	NBHL348	18	278.3	8
COONAMBLE KEVIN K314	WDCK314	22	280.2	25
DULVERTON LARRY L154	NGCL154	19	277.9	7
ESSLEMONT LOTTO L3	WWEL3	39	278.4	9
G A R PROPHET	USA16295688	21	281.9	33
G A R SURE FIRE	USA17328461	31	280.7	29
GATES KIPLING K7	ASRK7	22	279.2	16
GLENAVON REVENUE L039	NFWL039	18	278.6	10
GLENOCH HINMAN H221	QBGH221	29	280.4	28
HARDHAT GM GRASS KING Y21 K15	DKKK15	25	279.4	18
HAZELDEAN JAIPUR J140	NHZJ140	32	279.1	15
KANSAS JUDD L76	NKLL76	26	280.8	30
KILLAIN ALASKA K18	KILK18	10	282.2	34
MILLAH MURRAH LOCH UP L133	NMML133	33	279.4	18
MURRAY DOWNLOAD L20	NURL20	36	281.2	32
PATHFINDER COMPLETE K22	SMPK22	31	277.2	3
RENNYLEA K835	NORK835	23	280.8	30
RENNYLEA KODAK K522	NORK522	27	280.1	24
STORTH OAKS JACK J7	NZE19507013J7	24	280.2	25
TRIO DOCKLANDS H1	ELYH1	21	277.1	1
WATTLETOP LOCK L4	NWPL4	21	277.1	1

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - 200 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	31	231.1	7
AJC K41	NXOK41	22	229.7	13
ANVIL KOKODA K267	HBUK267	32	232.0	6
AYRVALE LEGACY L21	HIOL21	21	232.2	4
BANNABY REALITY K63	ECMK63	27	227.6	15
BANNABY RESERVE K173	ECMK173	40	230.4	9
BONGONGO L8	NGXL8	22	226.5	18
BOONAROO KERNAL K72	HCAK72	21	225.9	19
BOOROOMOOKA KULGERA K270	NGMK270	21	232.8	3
BOWMONT KING K306	SRKK306	30	227.2	16
BROOKLANA M REALITY K57	AMQK57	28	232.1	5
CHELTENHAM PARK BERKLEY J7	HYEJ7	28	244.0	1
CLUNIE RANGE KALUHA K330	NBHK330	34	230.4	9
CLUNIE RANGE LEGEND L348	NBHL348	18	228.2	14
COONAMBLE KEVIN K314	WDCK314	22	221.9	28
DULVERTON LARRY L154	NGCL154	23	218.3	31
ESSLEMONT LOTTO L3	WWEL3	38	221.3	29
G A R PROPHET	USA16295688	22	230.0	11
G A R SURE FIRE	USA17328461	31	223.8	25
GATES KIPLING K7	ASRK7	21	229.9	12
GLENAVON REVENUE L039	NFWL039	21	221.3	29
GLENOCH HINMAN H221	QBGH221	28	225.8	20
HARDHAT GM GRASS KING Y21 K15	DKKK15	26	224.6	23
HAZELDEAN JAIPUR J140	NHZJ140	32	215.1	33
KANSAS JUDD L76	NKLL76	26	226.7	17
KILLAIN ALASKA K18	KILK18	10	223.7	26
MILLAH MURRAH LOCH UP L133	NMML133	35	238.3	2
MURRAY DOWNLOAD L20	NURL20	32	217.8	32
PATHFINDER COMPLETE K22	SMPK22	31	211.1	34
RENNYLEA K835	NORK835	22	223.9	24
RENNYLEA KODAK K522	NORK522	29	224.7	22
STORTH OAKS JACK J7	NZE19507013J7	23	230.5	8
TRIO DOCKLANDS H1	ELYH1	19	222.5	27
WATTLETOP LOCK L4	NWPL4	21	225.8	20

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - 400 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	21	349.0	11
AJC K41	NXOK41	14	343.5	22
ANVIL KOKODA K267	HBUK267	30	348.2	12
AYRVALE LEGACY L21	HIOL21	17	358.7	4
BANNABY REALITY K63	ECMK63	23	341.2	27
BANNABY RESERVE K173	ECMK173	30	330.2	33
BONGONGO L8	NGXL8	17	344.9	17
BOONAROO KERNAL K72	HCAK72	16	354.3	6
BOOROOMOOKA KULGERA K270	NGMK270	17	344.6	20
BOWMONT KING K306	SRKK306	26	332.8	31
BROOKLANA M REALITY K57	AMQK57	20	356.4	5
CHELTENHAM PARK BERKLEY J7	HYEJ7	24	366.0	2
CLUNIE RANGE KALUHA K330	NBHK330	32	344.8	18
CLUNIE RANGE LEGEND L348	NBHL348	14	332.7	32
COONAMBLE KEVIN K314	WDCK314	18	342.6	25
DULVERTON LARRY L154	NGCL154	21	338.3	30
ESSLEMONT LOTTO L3	WWEL3	24	344.7	19
G A R PROPHET	USA16295688	17	351.1	9
G A R SURE FIRE	USA17328461	29	343.0	23
GATES KIPLING K7	ASRK7	18	342.8	24
GLENAVON REVENUE L039	NFWL039	17	347.2	14
GLENOCH HINMAN H221	QBGH221	25	341.9	26
HARDHAT GM GRASS KING Y21 K15	DKKK15	22	339.6	28
HAZELDEAN JAIPUR J140	NHZJ140	24	338.6	29
KANSAS JUDD L76	NKLL76	24	343.8	21
KILLAIN ALASKA K18	KILK18	9	347.9	13
MILLAH MURRAH LOCH UP L133	NMML133	28	353.3	7
MURRAY DOWNLOAD L20	NURL20	27	325.4	35
PATHFINDER COMPLETE K22	SMPK22	26	327.9	34
RENNYLEA K835	NORK835	19	345.7	16
RENNYLEA KODAK K522	NORK522	24	346.7	15
STORTH OAKS JACK J7	NZE19507013J7	18	368.5	1
TRIO DOCKLANDS H1	ELYH1	16	349.1	10
WATTLETOP LOCK L4	NWPL4	17	351.8	8

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - 600 Day Weight (kg)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	9	604.7	8
AJC K41	NXOK41	11	590.7	23
ANVIL KOKODA K267	HBUK267	17	594.2	18
AYRVALE LEGACY L21	HIOL21	11	596.6	16
BANNABY REALITY K63	ECMK63	17	575.3	32
BANNABY RESERVE K173	ECMK173	15	577.9	30
BONGONGO L8	NGXL8	10	588.5	25
BOONAROO KERNAL K72	HCAK72	11	603.8	10
BOOROOMOOKA KULGERA K270	NGMK270	9	591.8	22
BOWMONT KING K306	SRKK306	18	580.6	29
BROOKLANA M REALITY K57	AMQK57	10	618.8	3
CHELTENHAM PARK BERKLEY J7	HYEJ7	12	629.7	2
CLUNIE RANGE KALUHA K330	NBHK330	18	593.4	21
CLUNIE RANGE LEGEND L348	NBHL348	7	595.8	17
COONAMBLE KEVIN K314	WDCK314	7	600.7	11
DULVERTON LARRY L154	NGCL154	12	597.8	15
ESSLEMONT LOTTO L3	WWEL3	17	582.9	28
G A R PROPHET	USA16295688	11	604.3	9
G A R SURE FIRE	USA17328461	17	600.4	13
GATES KIPLING K7	ASRK7	7	613.6	4
GLENAVON REVENUE L039	NFWL039	12	586.9	26
GLENOCH HINMAN H221	QBGH221	12	593.8	19
HARDHAT GM GRASS KING Y21 K15	DKKK15	13	577.7	31
HAZELDEAN JAIPUR J140	NHZJ140	13	590.3	24
KANSAS JUDD L76	NKLL76	12	593.7	20
KILLAIN ALASKA K18	KILK18	8	608.3	6
MILLAH MURRAH LOCH UP L133	NMML133	16	611.7	5
MURRAY DOWNLOAD L20	NURL20	14	564.3	33
PATHFINDER COMPLETE K22	SMPK22	16	560.9	34
RENNYLEA K835	NORK835	15	600.6	12
RENNYLEA KODAK K522	NORK522	16	586.4	27
STORTH OAKS JACK J7	NZE19507013J7	12	633.4	1
TRIO DOCKLANDS H1	ELYH1	8	607.2	7
WATTLETOP LOCK L4	NWPL4	10	599.3	14

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - Scan EMA (sq cm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	18	61.3	8
AJC K41	NXOK41	18	61.7	5
ANVIL KOKODA K267	HBUK267	27	59.8	20
AYRVALE LEGACY L21	HIOL21	17	62.9	2
BANNABY REALITY K63	ECMK63	23	58.9	28
BANNABY RESERVE K173	ECMK173	27	59.4	23
BONGONGO L8	NGXL8	17	58.6	31
BOONAROO KERNAL K72	HCAK72	17	61.1	10
BOOROOMOOKA KULGERA K270	NGMK270	13	59.8	20
BOWMONT KING K306	SRKK306	24	60.2	17
BROOKLANA M REALITY K57	AMQK57	23	58.7	29
CHELTENHAM PARK BERKLEY J7	HYEJ7	22	61.9	4
CLUNIE RANGE KALUHA K330	NBHK330	24	60.2	17
CLUNIE RANGE LEGEND L348	NBHL348	13	59.7	22
COONAMBLE KEVIN K314	WDCK314	16	60.9	13
DULVERTON LARRY L154	NGCL154	17	57.1	34
ESSLEMONT LOTTO L3	WWEL3	24	62.4	3
G A R PROPHET	USA16295688	16	60.3	15
G A R SURE FIRE	USA17328461	22	60.8	14
GATES KIPLING K7	ASRK7	13	61.1	10
GLENAVON REVENUE L039	NFWL039	16	61.7	5
GLENOCH HINMAN H221	QBGH221	23	60.1	19
HARDHAT GM GRASS KING Y21 K15	DKKK15	21	63.2	1
HAZELDEAN JAIPUR J140	NHZJ140	21	60.3	15
KANSAS JUDD L76	NKLL76	18	58.4	32
KILLAIN ALASKA K18	KILK18	10	59.4	23
MILLAH MURRAH LOCH UP L133	NMML133	26	59.3	25
MURRAY DOWNLOAD L20	NURL20	22	57.7	33
PATHFINDER COMPLETE K22	SMPK22	21	59.3	25
RENNYLEA K835	NORK835	18	61.1	10
RENNYLEA KODAK K522	NORK522	24	58.7	29
STORTH OAKS JACK J7	NZE19507013J7	22	61.7	5
TRIO DOCKLANDS H1	ELYH1	14	59.1	27
WATTLETOP LOCK L4	NWPL4	19	61.3	8

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - Scan Rib Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	18	4.6	30
AJC K41	NXOK41	18	5.1	23
ANVIL KOKODA K267	HBUK267	27	5.3	17
AYRVALE LEGACY L21	HIOL21	17	5.3	17
BANNABY REALITY K63	ECMK63	23	4.6	30
BANNABY RESERVE K173	ECMK173	27	4.9	27
BONGONGO L8	NGXL8	17	5.5	12
BOONAROO KERNAL K72	HCAK72	17	4.7	28
BOOROOMOOKA KULGERA K270	NGMK270	13	4.6	30
BOWMONT KING K306	SRKK306	24	5.2	21
BROOKLANA M REALITY K57	AMQK57	24	5.3	17
CHELTENHAM PARK BERKLEY J7	HYEJ7	22	5.4	16
CLUNIE RANGE KALUHA K330	NBHK330	24	5.7	9
CLUNIE RANGE LEGEND L348	NBHL348	13	5.8	5
COONAMBLE KEVIN K314	WDCK314	16	5.8	5
DULVERTON LARRY L154	NGCL154	17	5.2	21
ESSLEMONT LOTTO L3	WWEL3	24	6.0	4
G A R PROPHET	USA16295688	16	5.7	9
G A R SURE FIRE	USA17328461	22	5.5	12
GATES KIPLING K7	ASRK7	14	5.0	26
GLENAVON REVENUE L039	NFWL039	16	4.6	30
GLENOCH HINMAN H221	QBGH221	23	5.5	12
HARDHAT GM GRASS KING Y21 K15	DKKK15	22	5.8	5
HAZELDEAN JAIPUR J140	NHZJ140	21	4.7	28
KANSAS JUDD L76	NKLL76	18	5.3	17
KILLAIN ALASKA K18	KILK18	10	4.4	34
MILLAH MURRAH LOCH UP L133	NMML133	26	5.1	23
MURRAY DOWNLOAD L20	NURL20	23	5.1	23
PATHFINDER COMPLETE K22	SMPK22	21	6.4	1
RENNYLEA K835	NORK835	18	5.8	5
RENNYLEA KODAK K522	NORK522	23	6.3	3
STORTH OAKS JACK J7	NZE19507013J7	22	5.5	12
TRIO DOCKLANDS H1	ELYH1	14	6.4	1
WATTLETOP LOCK L4	NWPL4	18	5.7	9

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - Scan Rump Fat (mm)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	18	6.6	30
AJC K41	NXOK41	18	6.7	29
ANVIL KOKODA K267	HBUK267	27	6.8	28
AYRVALE LEGACY L21	HIOL21	16	8.3	6
BANNABY REALITY K63	ECMK63	23	7.0	25
BANNABY RESERVE K173	ECMK173	27	7.0	25
BONGONGO L8	NGXL8	17	7.5	14
BOONAROO KERNAL K72	HCAK72	17	7.1	23
BOOROOMOOKA KULGERA K270	NGMK270	13	6.6	30
BOWMONT KING K306	SRKK306	24	7.2	20
BROOKLANA M REALITY K57	AMQK57	24	6.9	27
CHELTENHAM PARK BERKLEY J7	HYEJ7	21	7.1	23
CLUNIE RANGE KALUHA K330	NBHK330	24	8.8	1
CLUNIE RANGE LEGEND L348	NBHL348	13	7.5	14
COONAMBLE KEVIN K314	WDCK314	16	8.5	2
DULVERTON LARRY L154	NGCL154	17	7.2	20
ESSLEMONT LOTTO L3	WWEL3	24	8.5	2
G A R PROPHET	USA16295688	16	7.8	10
G A R SURE FIRE	USA17328461	22	7.7	11
GATES KIPLING K7	ASRK7	14	7.4	19
GLENAVON REVENUE L039	NFWL039	16	6.5	32
GLENOCH HINMAN H221	QBGH221	23	7.5	14
HARDHAT GM GRASS KING Y21 K15	DKKK15	22	8.0	9
HAZELDEAN JAIPUR J140	NHZJ140	21	6.3	34
KANSAS JUDD L76	NKLL76	18	7.5	14
KILLAIN ALASKA K18	KILK18	9	6.5	32
MILLAH MURRAH LOCH UP L133	NMML133	26	7.7	11
MURRAY DOWNLOAD L20	NURL20	23	7.2	20
PATHFINDER COMPLETE K22	SMPK22	20	8.5	2
RENNYLEA K835	NORK835	18	8.3	6
RENNYLEA KODAK K522	NORK522	23	8.1	8
STORTH OAKS JACK J7	NZE19507013J7	22	7.6	13
TRIO DOCKLANDS H1	ELYH1	12	8.4	5
WATTLETOP LOCK L4	NWPL4	17	7.5	14

Angus Sire Benchmarking Project - Progeny Performance

Cohort: 7 - Scan IMF (%)

Sire Name	Sire ID	Number of Progeny	Progeny Average	Rank
A A R TEN X 7008 S A	USA15719841	18	6.5	1
AJC K41	NXOK41	18	6.1	11
ANVIL KOKODA K267	HBUK267	27	6.1	11
AYRVALE LEGACY L21	HIOL21	17	6.1	11
BANNABY REALITY K63	ECMK63	23	5.7	26
BANNABY RESERVE K173	ECMK173	27	5.5	34
BONGONGO L8	NGXL8	17	6.0	19
BOONAROO KERNAL K72	HCAK72	17	5.6	30
BOOROOMOOKA KULGERA K270	NGMK270	13	5.7	26
BOWMONT KING K306	SRKK306	24	6.3	5
BROOKLANA M REALITY K57	AMQK57	24	5.7	26
CHELTENHAM PARK BERKLEY J7	HYEJ7	22	5.9	22
CLUNIE RANGE KALUHA K330	NBHK330	24	6.3	5
CLUNIE RANGE LEGEND L348	NBHL348	13	5.6	30
COONAMBLE KEVIN K314	WDCK314	16	6.1	11
DULVERTON LARRY L154	NGCL154	17	5.9	22
ESSLEMONT LOTTO L3	WWEL3	24	6.5	1
G A R PROPHET	USA16295688	16	6.4	3
G A R SURE FIRE	USA17328461	22	6.0	19
GATES KIPLING K7	ASRK7	14	5.8	25
GLENAVON REVENUE L039	NFWL039	16	5.6	30
GLENOCH HINMAN H221	QBGH221	23	6.3	5
HARDHAT GM GRASS KING Y21 K15	DKKK15	22	6.1	11
HAZELDEAN JAIPUR J140	NHZJ140	21	5.7	26
KANSAS JUDD L76	NKLL76	18	6.0	19
KILLAIN ALASKA K18	KILK18	10	5.2	35
MILLAH MURRAH LOCH UP L133	NMML133	26	6.1	11
MURRAY DOWNLOAD L20	NURL20	23	5.6	30
PATHFINDER COMPLETE K22	SMPK22	21	6.3	5
RENNYLEA K835	NORK835	18	6.4	3
RENNYLEA KODAK K522	NORK522	24	6.1	11
STORTH OAKS JACK J7	NZE19507013J7	22	6.2	9
TRIO DOCKLANDS H1	ELYH1	14	5.9	22
WATTLETOP LOCK L4	NWPL4	19	6.2	9



UNDERSTANDING THE ASBP SIRE LISTING - PROGENY PERFORMANCE SUMMARY TABLE

This listing provides an indication on how the sires are performing within the ASBP. *The values listed can only be validly used to compare sires within each cohort of the ASBP.*

For selection purposes it is strongly advised that the BREEDPLAN EBVs and selection indexes listed in section 1 of the report be used primarily. They are the highest accuracy information to use in selection as they take into account all available industry data including the data generated from the ASBP. They also account for information from all known relatives and genetic correlations between traits as well as being able to be compared across cohorts and the Angus population.

Interpreting the ASBP Progeny Performance Summary Table

Angus Sire Benchmarking Program - Cohort 3												
Summary of Progeny Averages (rank)												
Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	
DGJF27 ALLOURA FOURTH DIMENSION F27	34.1 (1)	282.8 (23)	192.1 (35)	359.3 (40)	512.9 (36)	300.7 (16)	66.0 (15)	8.5 (1)	10.8 (1)	6.4 (1)	426.6 (36)	8
DGJG19 ALLOURA GET UP-AND-GO G19	37.0 (15)	283.0 (24)	202.7 (17)	396.7 (13)	537.3 (21)	290.1 (1)	64.9 (26)	7.8 (8)	10.0 (14)	5.4 (24)	432.3 (31)	
CGKE9 ALPINE EXTRA SPECIAL E9	37.1 (18)	279.1 (4)	190.7 (39)	370.2 (37)	515.0 (34)	316.6 (40)	62.4 (39)	5.8 (40)	7.7 (39)	4.9 (40)	434.6 (30)	8
WJMF96 ARDCAIRNIE F96	36.2 (7)	281.7 (17)	198.9 (21)	390.3 (18)	551.2 (10)	310.5 (37)	69.0 (2)	7.7 (10)	10.1 (11)	5.6 (12)	465.0 (11)	
NBBG117 BALD BLAIR NEW DESIGN G117	36.3 (9)	282.1 (20)	197.0 (29)	397.5 (11)	544.0 (12)	302.1 (22)	67.0 (11)	7.4 (18)	9.3 (28)	5.0 (39)	453.4 (19)	
WMYF3 BLACKROCK F3	36.5 (10)	279.0 (3)	204.3 (11)	388.2 (22)	555.2 (8)	301.5 (19)	67.2 (9)	7.6 (14)	10.3 (8)	5.7 (10)	479.1 (2)	
NGMF510 BOOROOMOOKA FRANKEL F510	40.3 (39)	281.3 (14)	200.3 (20)	405.9 (3)	555.5 (7)	304.1 (26)	65.8 (16)	7.3 (20)	10.1 (11)	5.4 (24)	444.3 (26)	

Progeny Average = The average performance of this sires progeny for the specified trait in the ASBP. The average is calculated using adjusted data (i.e. the standard BREEDPLAN adjustments for the age of the progeny and age of the dams). It is calculated using a least squares means (LSM) model which takes into herd and contemporary group.

Rank = The ranking position of the sire within the specified cohort (in brackets). The ranking order will depend on the trait. E.g. 200 Day weight ranked in descending order, while birth weight is ranked in ascending order.

For easy interpretation colour coding has been applied to the ranking being:

- Rank 1 to 5 (dark green with white text). E.g.

34.1 (1)

- Rank 6 to 10 (light green with black text). E.g.

36.5 (10)

The definition of the traits are detailed in the previous section of this report titled “*Interpreting the ASBP Progeny Performance Listing*”

The table is sorted on sire name for the specified cohort.

The date the progeny performance values were produced is listed in the bottom left hand margin of the report. The reports will be regularly updated as further ASBP data is recorded and analysed.



Angus Sire Benchmarking Program - Cohort 7

Summary of Progeny Averages (rank)

Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	SF
USA15719841 A A R TEN X 7008 S A	36.9 (19)	279.8 (22)	231.1 (7)	349.0 (11)	604.7 (8)		61.3 (8)	4.6 (30)	6.6 (30)	6.5 (1)								
NXOK41 AJC K41	37.3 (25)	277.4 (4)	229.7 (13)	343.5 (22)	590.7 (23)		61.7 (5)	5.1 (23)	6.7 (29)	6.1 (11)								
HBUK267 ANVIL KOKODA K267	37.2 (23)	278.6 (10)	232.0 (6)	348.2 (12)	594.2 (18)		59.8 (20)	5.3 (17)	6.8 (28)	6.1 (11)								
HIOL21 AYRVALE LEGACY L21	36.7 (16)	279.2 (16)	232.2 (4)	358.7 (4)	596.6 (16)		62.9 (2)	5.3 (17)	8.3 (6)	6.1 (11)								
ECMK63 BANNABY REALITY K63	37.3 (25)	280.3 (27)	227.6 (15)	341.2 (27)	575.3 (32)		58.9 (28)	4.6 (30)	7.0 (25)	5.7 (26)								
ECMK173 BANNABY RESERVE K173	37.4 (27)	279.6 (20)	230.4 (9)	330.2 (33)	577.9 (30)		59.4 (23)	4.9 (27)	7.0 (25)	5.5 (34)								
NGXL8 BONGONGO L8	34.3 (2)	277.8 (6)	226.5 (18)	344.9 (17)	588.5 (25)		58.6 (31)	5.5 (12)	7.5 (14)	6.0 (19)								
HCAK72 BOONAROO KERNAL K72	35.7 (8)	278.7 (13)	225.9 (19)	354.3 (6)	603.8 (10)		61.1 (10)	4.7 (28)	7.1 (23)	5.6 (30)								
NGMK270 BOOROOMOOKA KULGERA K270	36.8 (18)	279.9 (23)	232.8 (3)	344.6 (20)	591.8 (22)		59.8 (20)	4.6 (30)	6.6 (30)	5.7 (26)								
SRKK306 BOWMONT KING K306	36.4 (13)	279.7 (21)	227.2 (16)	332.8 (31)	580.6 (29)		60.2 (17)	5.2 (21)	7.2 (20)	6.3 (5)								
AMQK57 BROOKLANA M REALITY K57	35.6 (7)	278.6 (10)	232.1 (5)	356.4 (5)	618.8 (3)		58.7 (29)	5.3 (17)	6.9 (27)	5.7 (26)								
HYEJ7 CHELTENHAM PARK BERKLEY J7	39.1 (33)	277.4 (4)	244.0 (1)	366.0 (2)	629.7 (2)		61.9 (4)	5.4 (16)	7.1 (23)	5.9 (22)								
NBHK330 CLUNIE RANGE KALUHA K330	37.0 (20)	279.0 (14)	230.4 (9)	344.8 (18)	593.4 (21)		60.2 (17)	5.7 (9)	8.8 (1)	6.3 (5)								
NBHL348 CLUNIE RANGE LEGEND L348	37.4 (27)	278.3 (8)	228.2 (14)	332.7 (32)	595.8 (17)		59.7 (22)	5.8 (5)	7.5 (14)	5.6 (30)								
WDCK314 COONAMBLE KEVIN K314	36.5 (14)	280.2 (25)	221.9 (28)	342.6 (25)	600.7 (11)		60.9 (13)	5.8 (5)	8.5 (2)	6.1 (11)								
NGCL154 DULVERTON LARRY L154	37.1 (22)	277.9 (7)	218.3 (31)	338.3 (30)	597.8 (15)		57.1 (34)	5.2 (21)	7.2 (20)	5.9 (22)								
WWEL3 ESSLEMONT LOTTO L3	36.0 (10)	278.4 (9)	221.3 (29)	344.7 (19)	582.9 (28)		62.4 (3)	6.0 (4)	8.5 (2)	6.5 (1)								
USA16295688 G A R PROPHET	36.3 (12)	281.9 (33)	230.0 (11)	351.1 (9)	604.3 (9)		60.3 (15)	5.7 (9)	7.8 (10)	6.4 (3)								
USA17328461 G A R SURE FIRE	35.4 (6)	280.7 (29)	223.8 (25)	343.0 (23)	600.4 (13)		60.8 (14)	5.5 (12)	7.7 (11)	6.0 (19)								
ASRK7 GATES KIPLING K7	37.0 (20)	279.2 (16)	229.9 (12)	342.8 (24)	613.6 (4)		61.1 (10)	5.0 (26)	7.4 (19)	5.8 (25)								
NFWL039 GLENAVON REVENUE L039	35.7 (8)	278.6 (10)	221.3 (29)	347.2 (14)	586.9 (26)		61.7 (5)	4.6 (30)	6.5 (32)	5.6 (30)								
QBGH221 GLENOCH HINMAN H221	35.0 (4)	280.4 (28)	225.8 (20)	341.9 (26)	593.8 (19)		60.1 (19)	5.5 (12)	7.5 (14)	6.3 (5)								



Angus Sire Benchmarking Program - Cohort 7

Summary of Progeny Averages (rank)

Sire ID Name	BW	GL	WW	YW	FW	DTC	SCAN EMA	SCAN RIB	SCAN RUMP	SCAN IMF	CARC WT	CARC EMA	CARC IMF	NFI-f	MSA MBL	MSA OSS	MSA IND	SF
DKKK15 HARDHAT GM GRASS KING Y21 K15	38.0 (32)	279.4 (18)	224.6 (23)	339.6 (28)	577.7 (31)		63.2 (1)	5.8 (5)	8.0 (9)	6.1 (11)								
NHZJ140 HAZELDEAN JAIPUR J140	35.3 (5)	279.1 (15)	215.1 (33)	338.6 (29)	590.3 (24)		60.3 (15)	4.7 (28)	6.3 (34)	5.7 (26)								
NKLL76 KANSAS JUDD L76	37.2 (23)	280.8 (30)	226.7 (17)	343.8 (21)	593.7 (20)		58.4 (32)	5.3 (17)	7.5 (14)	6.0 (19)								
KILK18 KILLAIN ALASKA K18	37.9 (31)	282.2 (34)	223.7 (26)	347.9 (13)	608.3 (6)		59.4 (23)	4.4 (34)	6.5 (32)	5.2 (35)								
NMML133 MILLAH MURRAH LOCH UP L133	37.5 (29)	279.4 (18)	238.3 (2)	353.3 (7)	611.7 (5)		59.3 (25)	5.1 (23)	7.7 (11)	6.1 (11)								
NURL20 MURRAY DOWNLOAD L20	36.6 (15)	281.2 (32)	217.8 (32)	325.4 (35)	564.3 (33)		57.7 (33)	5.1 (23)	7.2 (20)	5.6 (30)								
SMPK22 PATHFINDER COMPLETE K22	33.4 (1)	277.2 (3)	211.1 (34)	327.9 (34)	560.9 (34)		59.3 (25)	6.4 (1)	8.5 (2)	6.3 (5)								
NORK835 RENNYLEA K835	39.5 (34)	280.8 (30)	223.9 (24)	345.7 (16)	600.6 (12)		61.1 (10)	5.8 (5)	8.3 (6)	6.4 (3)								
NORK522 RENNYLEA KODAK K522	34.9 (3)	280.1 (24)	224.7 (22)	346.7 (15)	586.4 (27)		58.7 (29)	6.3 (3)	8.1 (8)	6.1 (11)								
NZE19507013J7 STORTH OAKS JACK J7	37.6 (30)	280.2 (25)	230.5 (8)	368.5 (1)	633.4 (1)		61.7 (5)	5.5 (12)	7.6 (13)	6.2 (9)								
ELYH1 TRIO DOCKLANDS H1	36.1 (11)	277.1 (1)	222.5 (27)	349.1 (10)	607.2 (7)		59.1 (27)	6.4 (1)	8.4 (5)	5.9 (22)								
NWPL4 WATTLETOP LOCK L4	36.7 (16)	277.1 (1)	225.8 (20)	351.8 (8)	599.3 (14)		61.3 (8)	5.7 (9)	7.5 (14)	6.2 (9)								